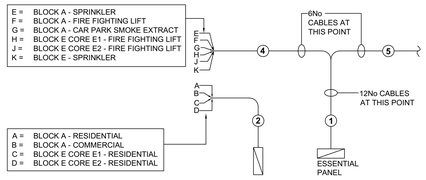
E = BLOCK A - SPRINKLER
F = BLOCK A - FIRE FIGHTING LIFT
G = BLOCK A - CAR PARK SMOKE EXTRACT
H = BLOCK E CORE E1 - FIRE FIGHTING LIFT
J = BLOCK E CORE E2 - FIRE FIGHTING LIFT
K = BLOCK E - SPRINKLER

A = BLOCK A - RESIDENTIAL
B = BLOCK A - COMMERCIAL
C = BLOCK E CORE E1 - RESIDENTIAL
D = BLOCK E CORE E2 - RESIDENTIAL



DETAIL 11
SITE WIDE ELECTRICAL DISTRIBUTION ARRANGEMENT ENTERING CAR PARK BASEMENT
(NTS)

CABLE SCHEDULE

1. ESSENTIAL
BLOCK A - SPRINKLER
BLOCK A - FIRE FIGHTING LIFT
BLOCK A - SMOKE EXTRACT - CAR PARK
BLOCK E - CORE E1 FIRE FIGHTING LIFT
BLOCK E - CORE E2 FIRE FIGHTING LIFT
BLOCK E - CORE E2 SPRINKLER
BLOCK C - FIRE FIGHTING LIFT
BLOCK C - SPRINKLER
BLOCK B - FIRE FIGHTING LIFT
BLOCK B - SPRINKLER
BLOCK C - MECHANICAL SMOKE EXTRACT SYSTEM No1
BLOCK C - MECHANICAL SMOKE EXTRACT SYSTEM No2

2. NON-ESSENTIAL
BLOCK A - RESIDENTIAL
BLOCK A - COMMERCIAL
BLOCK E - CORE E1 RESIDENTIAL
BLOCK E - CORE E2 RESIDENTIAL

3. NON-ESSENTIAL
BLOCK B - RESIDENTIAL
BLOCK B - COMMERCIAL No1
BLOCK B - COMMERCIAL No2
BLOCK C - RESIDENTIAL
BLOCK C - COMMERCIAL No1
BLOCK C - COMMERCIAL No2
BLOCK C - COMMERCIAL No3

4. ESSENTIAL
BLOCK A - SPRINKLER
BLOCK A - FIRE FIGHTING LIFT
BLOCK A - SMOKE EXTRACT CAR PARK
BLOCK E - CORE E1 FIRE FIGHTING LIFT
BLOCK E - CORE E2 FIRE FIGHTING LIFT
BLOCK E - SPRINKLER

5. ESSENTIAL
BLOCK B - FIRE FIGHTING LIFT
BLOCK B - SPRINKLER
BLOCK C - FIRE FIGHTING LIFT
BLOCK C - SPRINKLER
BLOCK C - MECHANICAL SMOKE EXTRACT SYSTEM No1
BLOCK C - MECHANICAL SMOKE EXTRACT SYSTEM No2

6. ESSENTIAL
BLOCK C - FIRE FIGHTING LIFT
BLOCK C - SPRINKLER
BLOCK C - MECHANICAL SMOKE EXTRACT SYSTEM No1
BLOCK C - MECHANICAL SMOKE EXTRACT SYSTEM No2

7. NON-ESSENTIAL
BLOCK C - RESIDENTIAL
BLOCK C - COMMERCIAL No1
BLOCK C - COMMERCIAL No2
BLOCK C - COMMERCIAL No3

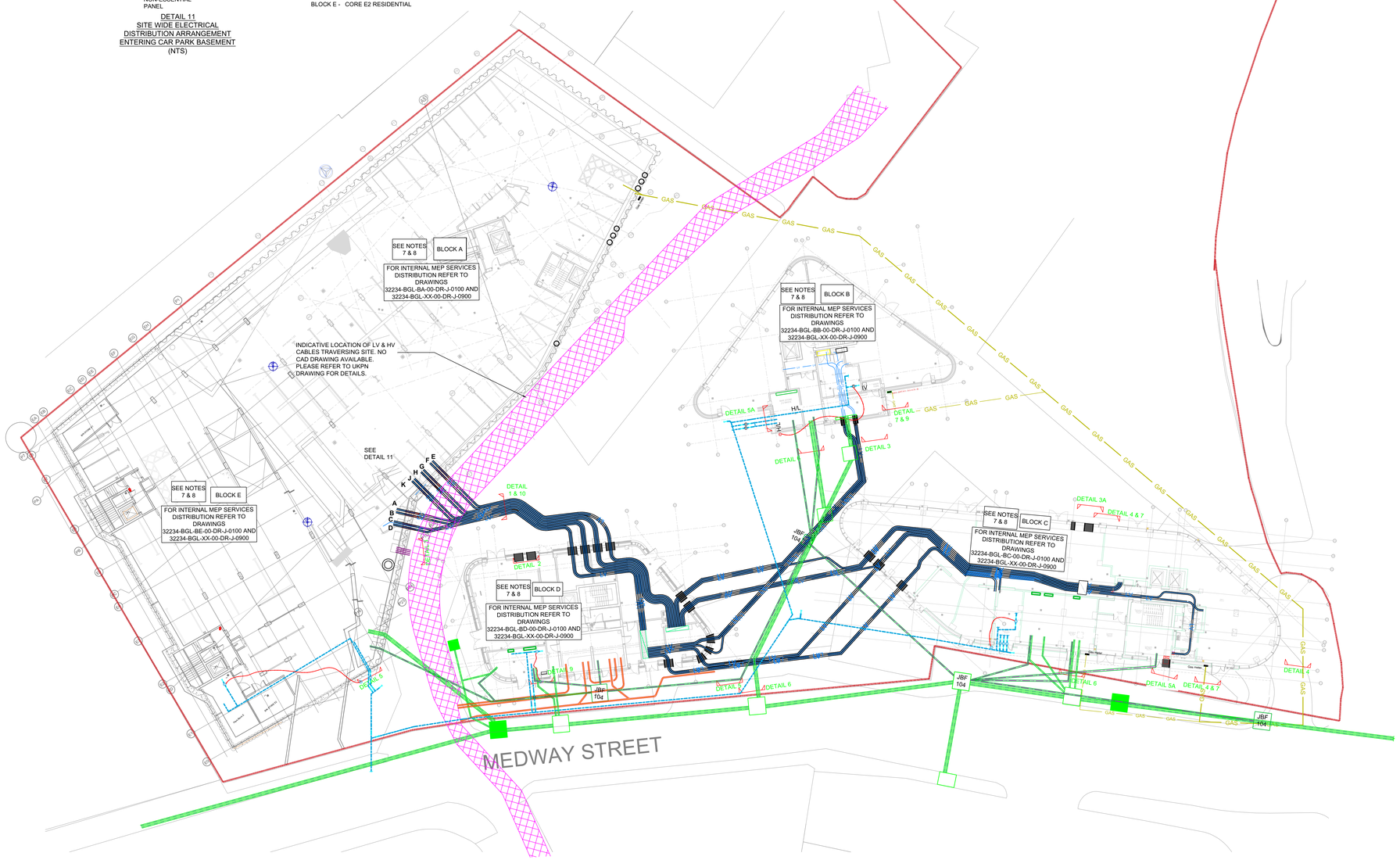
8. NON-ESSENTIAL
BLOCK C - COMMERCIAL No1

9. NON-ESSENTIAL
BLOCK C - RESIDENTIAL
BLOCK C - COMMERCIAL No2
BLOCK C - COMMERCIAL No3

10. NON-ESSENTIAL
BLOCK C - COMMERCIAL No2

11. NON-ESSENTIAL
BLOCK C - RESIDENTIAL

12. NON-ESSENTIAL
BLOCK C - COMMERCIAL No3



ALL SERVICES IN ABEYANCE PENDING FINAL UTILITY COMPANY INFORMATION.

DRAWING TO BE PRINTED IN COLOUR

NOTE:

THIS DRAWING IS INDICATIVE ONLY, INDICATING THE SERVICES REQUIRED ON THIS SITE.

THIS DRAWING SHOULD NOT BE USED FOR INSTALLATION IN LIEU OF UTILITY COMPANY LAYOUTS.

NOTES

1. TYPICAL DEPTHS OF BURIED UTILITY SERVICES SHOWN IN SECTION DETAILS ARE NOT TO BE SCALED.
2. EXTERNAL BURIED UTILITY SERVICES ARE INDICATIVE. ROUTING OF SERVICES AND FINAL DEPTH OF BURIED UTILITY SERVICES TO BE COORDINATED ONSITE WITH EXISTING BURIED SERVICES
3. UTILITY SERVICES AT HIGH LEVEL IN THE CAR PARK ARE INDICATIVE. ROUTING OF SERVICES TO BE COORDINATED WITH MECHANICAL SERVICES AND STRUCTURE.
4. POINTS OF SERVICES ENTRIES INTO BUILDING & CAR PARK TO BE COORDINATED AND CONFIRMED BY ARCHITECT AND STRUCTURAL ENGINEER.
5. POSITION OF OPEN TRENCH AND VIRGIN MEDIA (V/M) CABLE ON THE SITE ARE SUBJECT TO OPEN TRENCH AND VIRGIN MEDIA DISTRIBUTION SYSTEM.
6. ROUTING OF UKPN DISTRIBUTION CABLES ARE SUBJECT TO UKPN APPROVAL
7. AT EACH ENTRY POINT INTO EACH RESIDENTIAL BLOCK ALLOW 2 No SPARES 150mm dia. DUCT
8. ALLOW 3 No 150mm dia. DUCT FROM EACH BLOCK TO SERVE
   (a) EXTERNAL LIGHTING
   (b) PUBLIC REALM POWER
   (c) CCTV
   (d) FINAL DETAIL OF POSITIONS TO BE CONFIRMED WITH CLIENT, ARCHITECT, LANDSCAPE ARCHITECT.
9. PROVIDE RDSS RAYFLATE DUCT SEAL SYSTEM WHERE PENETRATING THE CONCRETE STRUCTURE TO PREVENT INGRESS OF WATER AND GAS.
10. UKPN PREFERENCE IS TO ROUTE AND BURY LOW VOLTAGE CABLE DIRECT IN THE GROUND.
11. PROVIDE FILO SEAL PLUS FIRE SEAL (4 HOURS) FIRE DUCT SEAL KIT TO PREVENT INGRESS OF WATER AND GAS.

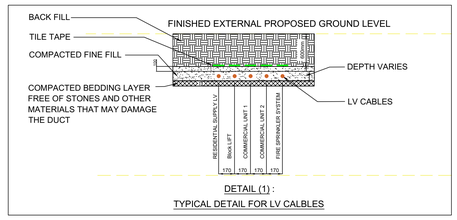
LEGEND

ABOVE GROUND (HIGH LEVEL)

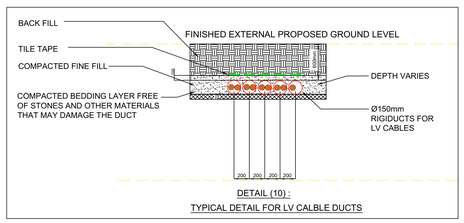
- LOW VOLTAGE ELECTRICAL MAINS ROUTE
- TELECOMS/COMMS ROUTE
- BOOSTED COLD WATER MAIN
- DISTRICT HEATING MAIN (F&R)
- GAS MAIN PIPEWORK

BELOW GROUND (BURIED)

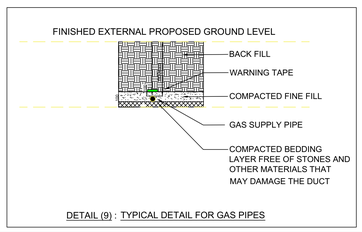
- GAS MAIN PIPEWORK — GAS — GAS
- HIGH VOLTAGE ELECTRICAL MAINS DUCTS — HV — HV
- WATER MAIN PIPEWORK — WATER
- LOW VOLTAGE ELECTRICAL MAINS DUCTS DNO
- TELECOMS DUCTS — T — T
- DISTRICT HEATING MAIN (F&R) — HTG — HTG
- SPRINKLER UNITS WATER SUPPLY — BCWS — BCWS



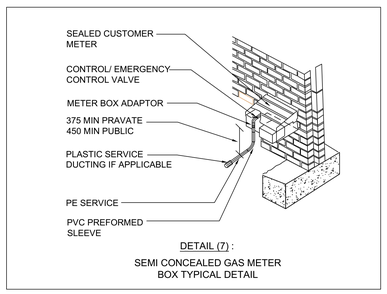
DETAIL (1) :
TYPICAL DETAIL FOR LV CALBLES



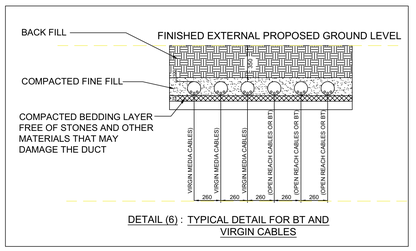
DETAIL (10) :
TYPICAL DETAIL FOR LV CALBLE DUCTS



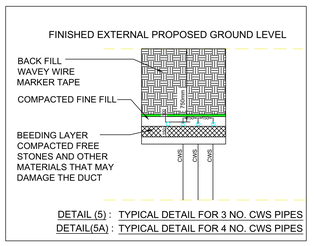
DETAIL (9) : TYPICAL DETAIL FOR GAS PIPES



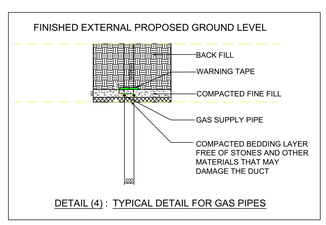
DETAIL (7) :
SEMI CONCEALED GAS METER BOX TYPICAL DETAIL



DETAIL (6) : TYPICAL DETAIL FOR BT AND VIRGIN CABLES



DETAIL (5) : TYPICAL DETAIL FOR 3 NO. CWS PIPES
DETAIL(5A) : TYPICAL DETAIL FOR 4 NO. CWS PIPES



DETAIL (4) : TYPICAL DETAIL FOR GAS PIPES

CLARITAS

SIGN:
DATE:

REVISION			DATE
C04	Construction Issue	LC LRC	28/07/2023
C03	Gas supply to Block D omitted & Block C amended	DA AD	14/11/2022
C02	Amended Gas meter positions for Block C & A	DA AD	25/10/2022
C01	Construction Issue	DA AD	09/09/2022
P12	Tender Issue Two (RFI)	DA WM	21/06/2021
P11	Tender Issue Two (RFI)	DA WM	02/06/2021
P10	Tender Issue Two	DA LRC/WM	11/05/2021
P09	Update Water Ject CWS pipe route to suit architect comment coordinated site wide distribution drawing.	DA LRC/WM	24/02/2021
P08	Services distribution routes amended to suit Architects coordinated site wide distribution drawing.	DA LRC/WM	18/02/2021
P07	UKPN Sub Station and Main Electrical Low Voltage Switch Room Relocated to Block D. Essential Low Voltage switch relocated to Block D. Standby Generator Room Added to Block D. Electrical Site Wide Distribution Amended to Suit. Detail 1 Amended Tender Issue	ST/WM WM	18/11/2020
P06	Tender Issue	ST/WM WM	08/07/2020
P05	Suitable for Internal Review And Comments	ST/WM WM	05/06/2020
P04	Suitable for Internal Review And Comments	ST/WM WM	21/02/2020
P03	Suitable for Internal Review And Comments	ST/WM WM	14/02/2020
P02	Preliminary Issue (Sketch)	MW	10/01/2020
P01	Preliminary Issue	FQ/LC	11/12/2019

The contractor is responsible to ensure that no products are to be utilised that do not comply with relevant British and/or European Standards and/or Codes of Practice, CDM-R Regulations, Construction Regulations, or which are known or suspected at the time of product selection and/or construction to be deleterious to health and safety or to the durability of the work or not in accordance with good building practices.

The contractor is responsible for checking dimensions, tolerances, levels and references. This drawing is to be read in conjunction with all relevant consultants or specialists drawings. Any discrepancy to be notified to Baily Garner LLP and rectified before proceeding with the works on site or shop drawings.

Where an item is covered by drawings to different scales, the larger scale drawing is to be worked to.

Do not scale drawings. Figured dimensions to be worked to in all cases.

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CLIENT: Medway Council
PROJECT: Chatham Waterfront
ADDRESS: Chatham Waterfront, Medway Street, Sun Wharf, Chatham, ME4 4HF
TITLE: Site Plan, External Main Utility Services Layout
SUITABILITY CODE: S4

SCALE:	DRAWN	CHECKED	APPROVED	DATE
1:200	PQ	FQ/LC		2019/11/6

JOB No.	AUTHOR	VOLUME	LEVEL	DOC TYP	ROLE	DRWG No.	REV/Stat.	REV No.
32234	BGL	XX	00	DR	J	0900	C	04

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